

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated.

### CLAIM REJECTIONS UNDER 35 U.S.C. §102

The rejection of claims 1, 2, 6-9 and 11-14 under 35 U.S.C. §102 as being anticipated by Beale '155 is respectfully traversed and should be withdrawn.

Beale discloses decoding chip streams (Title).

In contrast, the present invention concerns a method for synchronizing a clock signal to a data signal, comprising the steps of (A) detecting an edge of the data signal, (B) generating a numeric representation of a magnitude of a phase error between (i) the edge of the data signal and (ii) the clock signal, (C) determining whether the numeric representation is within a predetermined zone, (D) if the numeric representation is not within the predetermined zone, adjusting the clock signal towards the position of the edge, and (E) if the numeric representation is within the predetermined zone, repeating steps (A)-(C).

Beale is silent regarding generating a numeric representation of a phase error, as in presently pending claims 1 and 14. Beale is also silent regarding repeating steps A-C if the numeric representation is within the predetermined zone. At best, Beale appears to discuss an over sampling system similar to the

conventional systems discussed in the background section of the present application. However, Beale makes no mention of the claimed numeric representation of the phase error, as presently claimed. As such, Beale does not disclose or suggest each and every element of the claimed invention and the rejection should be withdrawn.

Furthermore, it is unclear how the element 18 in Beale can adjust the clock signal, as presently claimed. In particular, the element 18 is before the element 20 and the element 22 (the so-called detecting step and the so-called determining step). With the Examiner's interpretation of element 18, Beale does not disclose or suggest the step of adjusting the clock signal after determining whether the numeric representation is within a predetermined zone, as presently claimed. As such, Beale does not disclose or suggest each and every element of the claimed invention and the rejection should be withdrawn.

Newly presented claims 15 and 16 are believed to be independently patentable over Beale.

As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

CLAIM REJECTIONS UNDER 35 U.S.C. §103

The rejection of claims 3-5 and 10 under 35 U.S.C. §103 as being unpatentable over Beale '155 in view of Julyan '561 is respectfully traversed and should be withdrawn. Claims 3-5 and 10 depend, directly or indirectly, from the independent claims which are now believed to be allowable.

As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

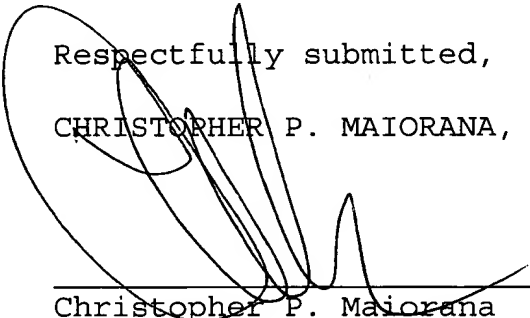
Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicants' representative should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge our office Account No. 50-0541.

Respectfully submitted,

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